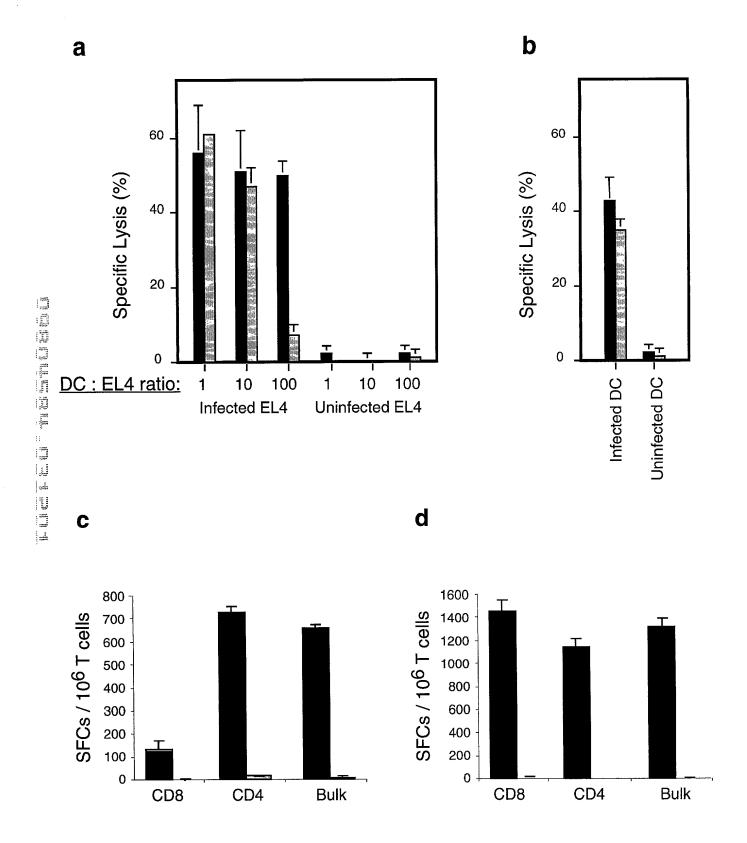
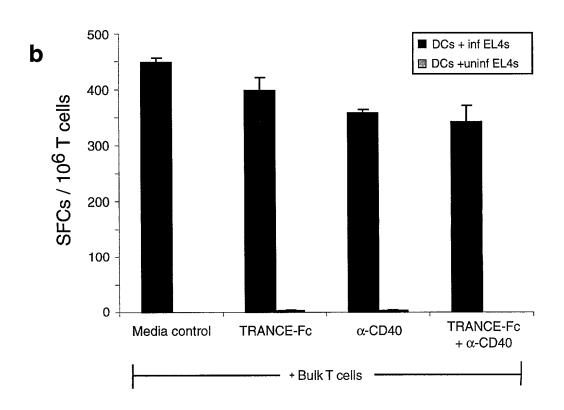
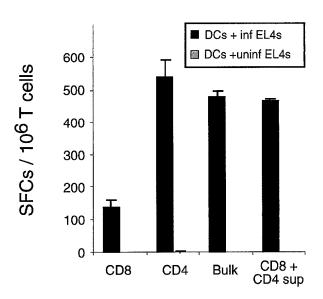
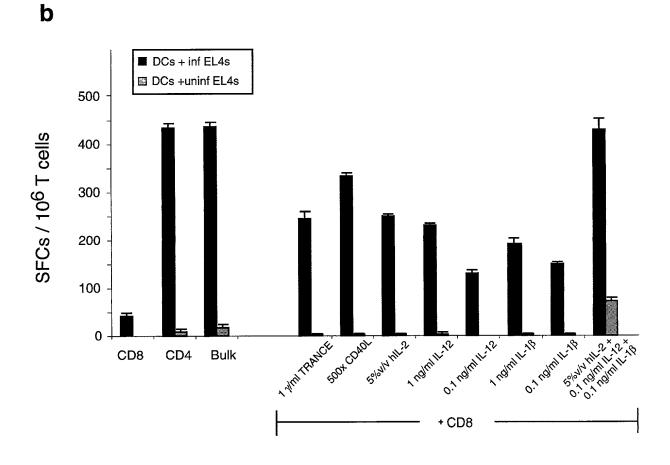
Figure 15 | A-D
Albert et al.



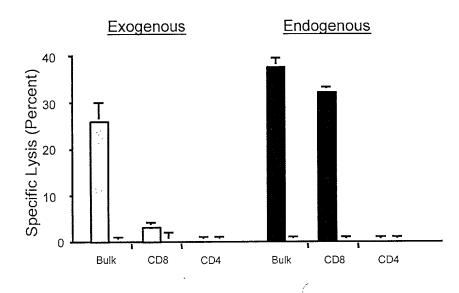


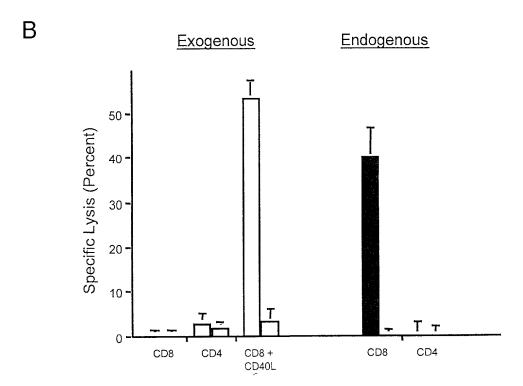


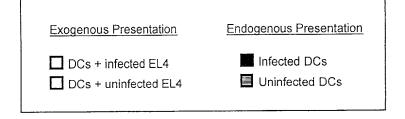


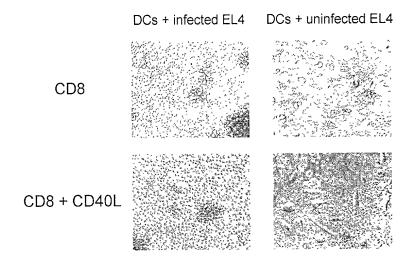




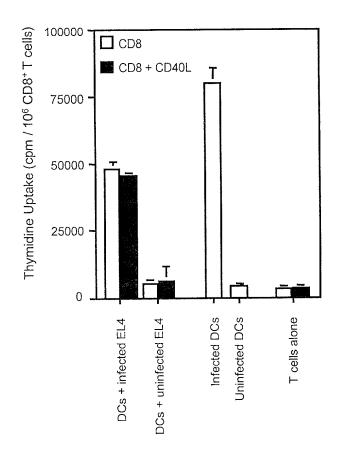


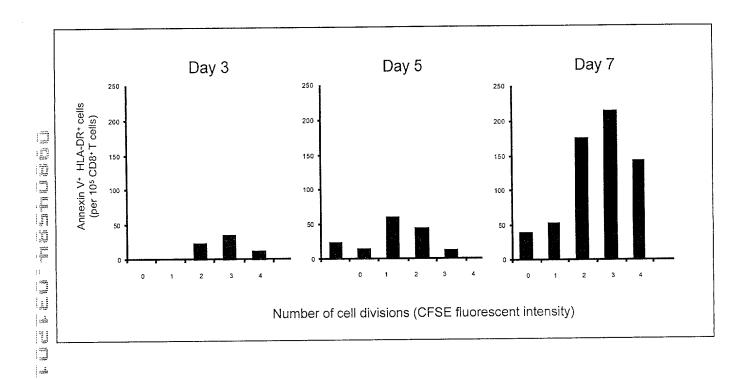


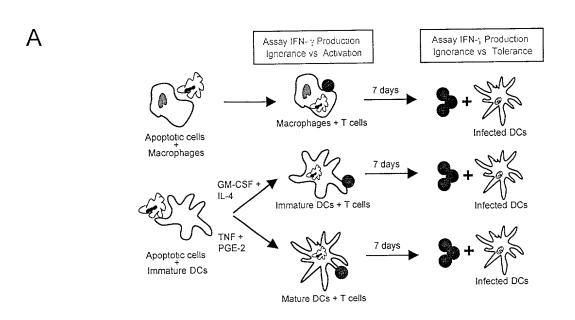


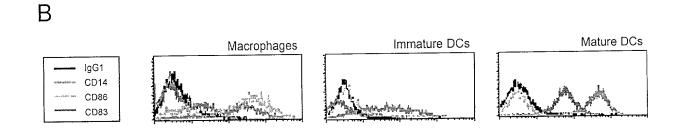


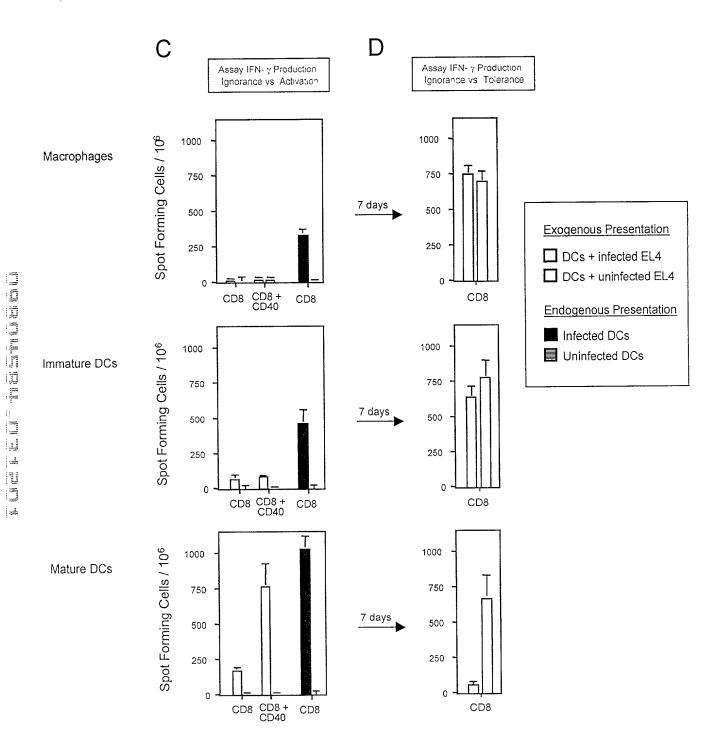
В

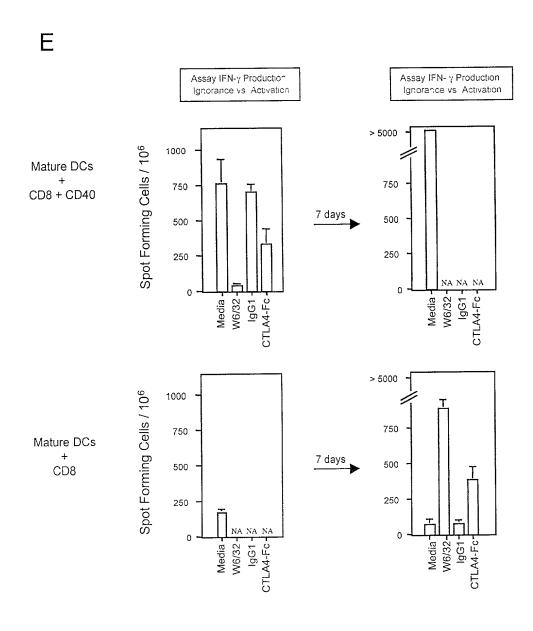




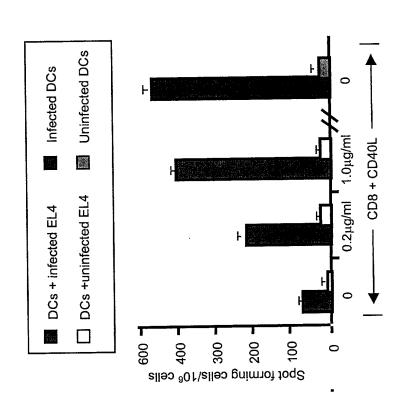




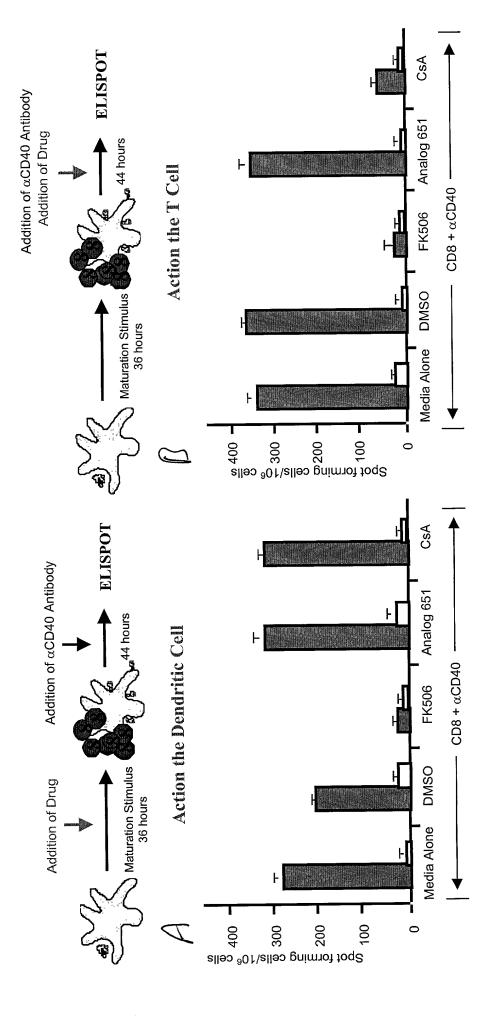




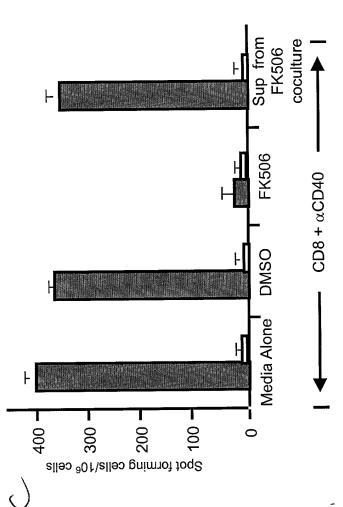
CD4 helper cells 'license' the DC to cross-prime via CD40 ligation



FK506, but not CsA inhibits cross-priming by affecting the DC



## No residual FK506 remains in coculture



Cocultures were established as previously described with the addition of FK506 during the 36 hour DC-Apoptotic cell coculture. DCs were collected, washed, counted and plated in wells containing purified CD8+ T cells with αCD40 antibody with the addition of supernatant from the FK506 DC-Apoptotic cell coculture to untreated DCs. No residual FK506 remained in the coculture to inhibit T cell activation. Red bars, DCs + infected EL4 cells; White bars, DCs + uninfected EL4 cells.

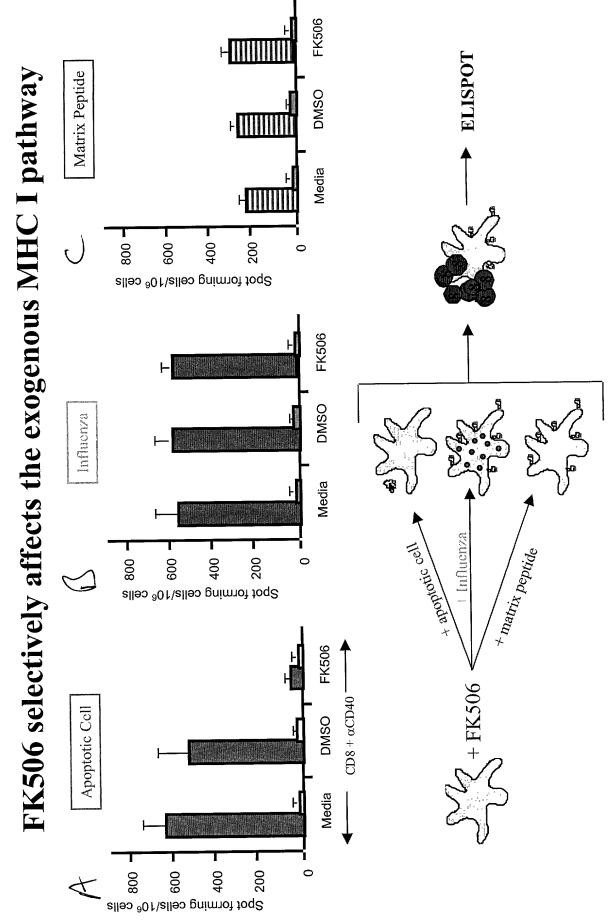
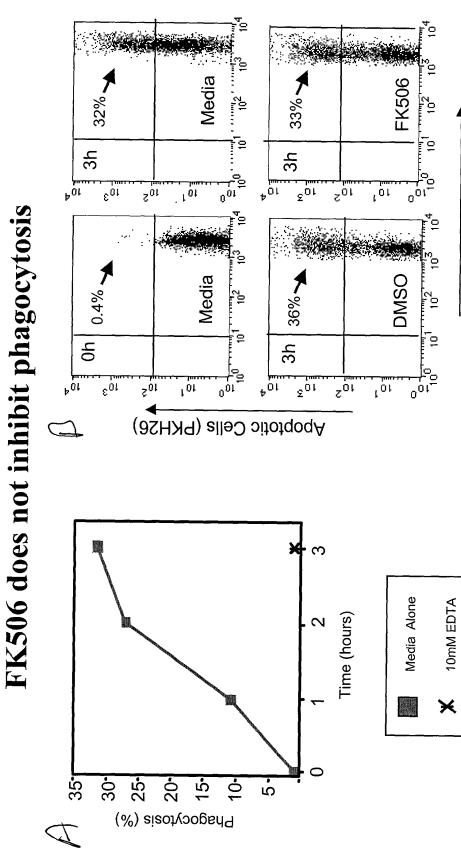


FIG 11 A-B

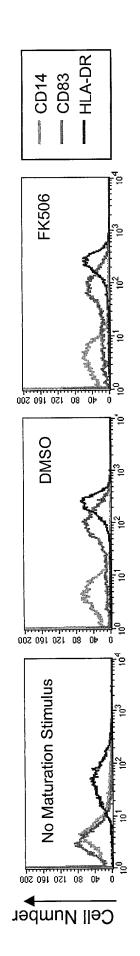


cocultured with the apoptotic cells. Cocultures were then analyzed by FACS, gating on dendritic cells. Double positive cells were scored as a measure of percent phagocytosis. FK506 does not Day 6 immature DCs were treated with 0.5µM FK506 for 24 hours, dyed with PKH67 and then EL4 cells were dyed with PKH26, UVB irradiated and allowed to undergo apoptosis for 8 hours. inhibit antigen capture.

Immature DCs (PKH67)

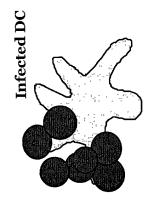


## FK506 does not inhibit Dendritic Cell maturation



Cultures were established as previously described with the addition of 0.5µM FK506 during the 36 hour DC-Apoptotic cell coculture. DCs were collected, washed and stained for HLA-DR. HLA-DR<sup>+</sup> DCs were then gated on to exclude apoptotic debris and analyzed by FACS for their CD14, CD83 and HLA-DR expression. FK506 does not act to inhibit cross-priming by affecting DC maturation.

# FK506 does not inhibit generation of MHC I / peptide complex



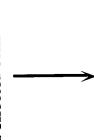
DMSO DCs + infected EL4 FK506 DCs + infected EL4

DCs alone

Media DCs + infected EL4

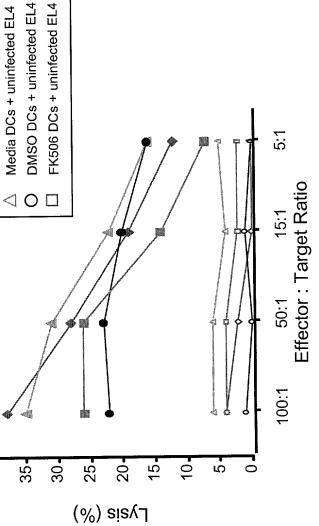
Peptide pulsed DCs

Influenza Specific CTLs used as effector cells

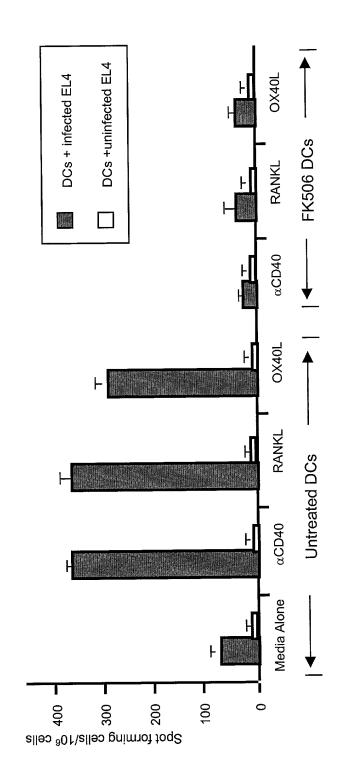


DCs cross-presenting apoptotic cells used as targets



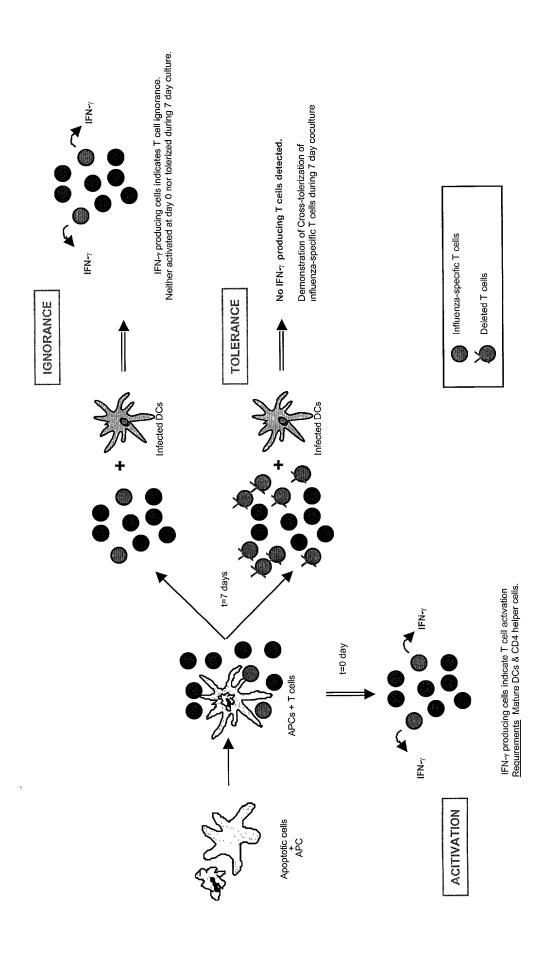


#### FK506 acts to inhibit cross-priming by blocking signaling of TNF superfamily members



FK506 treated DCs block signaling of CD40, RANK and OX40 in the Cocultures were established as previously described +/- FK506 treatment. DCs were collected, counted and plated in wells containing purified CD8<sup>+</sup> T cells with 1µg/mL αCD40 antibody (Mabtech), human recombinant RANKL ELISPOT assay was performed and spot forming cells/106 cells are reported. (Kamiya Biomedical), or human recombinant OX40L (Alexis Biochemicals). exogenous pathway.

### Assaying for Tolerance vs. Ignorance



# FK506 cross-tolerizes antigen specific CD8+ T cells

